

Kanika Verma

Phone: 9278037365 | Email: kanika.vdeveloper@gmail.com | LinkedIn: <https://www.linkedin.com/in/kanika-verma-dev11/>

iOS Engineer with 4+ years of experience building secure, scalable, and high-performance enterprise mobile applications using Swift, SwiftUI, and UIKit. Strong expertise in MVVM, Clean Architecture, and SOLID principles with a focus on modular and reusable components. Experienced in REST API integration, async/await concurrency, and offline-first architectures using CoreData. Proven track record of performance optimization (40% reduction in CPU/memory usage) and improving user engagement by 28%. Skilled in unit testing (XCTest), crash analysis, and CI/CD workflows, with a strong focus on code quality, security, and accessibility.

EXPERIENCE

One BCG, Delhi, India

Feb 2022 – Present

Software Engineer (iOS)

- Developed and maintained enterprise-grade iOS applications using Swift, SwiftUI, UIKit, and MVVM architecture.
- Designed modular and reusable components aligned with Clean Architecture and SOLID principles.
- Integrated RESTful APIs and SDKs using URLSession with async/await for efficient concurrency handling.
- Optimized performance using Xcode Instruments, reducing CPU and memory usage by 40% and improving app responsiveness.
- Implemented Swift Concurrency (async/await) and multithreading, reducing load times by 15%.
- Performed crash analysis using Sentry, improving app stability to 99%+ crash-free sessions.
- Implemented secure authentication using Keychain, OAuth-based token systems, and biometric authentication.
- Developed pixel-perfect and adaptive UI with AutoLayout, ensuring responsiveness across devices.
- Wrote unit and UI tests using XCTest/XCUITest, improving test coverage and reducing production issues by 30%.
- Maintained code quality using static analysis tools and best practices, addressing code smells and improving maintainability.
- Collaborated with cross-functional teams (backend, QA, design) in Agile environment for seamless delivery.
- Worked with CI/CD pipelines, Git branching strategies, and code reviews to ensure high-quality releases.

PROJECTS

DMETrack - Hospital Inventory & Asset Tracking System

- Developed an iOS application for tracking and managing hospital medical equipment and inventory.
- Implemented Geofencing and location tracking using CoreLocation to automatically trigger time sensitive user notifications.
- Built offline-first system using CoreData with sync capabilities with seamless backend synchronization.
- Integrated Apple Push Notification Service (APNS) to deliver real-time alerts and updates.
- Utilized GitHub Copilot to speed up implementation of networking layers and unit tests, reducing development time for modules by 25%.
- Integrated Sentry for crash monitoring, analyzed crash reports, and resolved issues to achieve 99.1% crash-free application performance.
- Ensured compliance with HIPAA guidelines by implementing secure data handling, encryption, and access control mechanisms.

RecoverChargeback - Fraud Prevention & ID Verification App

- Developed an iOS application to prevent fraudulent transactions by capturing and verifying government-issued identity documents.
- Implemented Driving License, Credit Card, and Passport scanning modules using ML Kit for OCR and barcode extraction.
- Built a custom document capture module using AVFoundation.
- Designed offline-first architecture with automatic synchronization when connectivity is restored.

Mobile App Template - Customer Verification Framework

- Developed a reusable iOS template for customer verification workflows including barcode, credit card, and passport scanning.
- Integrated ML Kit for barcode and text recognition for accurate data extraction.
- Designed reusable networking and data management layers to accelerate future feature development.
- Secured application data using Keychain Services and robust access control mechanisms before App Store Submission.

SKILLS

Languages: Swift, SwiftUI, UIKit, iOS SDK

Architecture: MVVM, MVC, Clean Architecture, Dependency Injection, SOLID, Offline-first Architecture

Concurrency: GCD, Async/Await, Structured Concurrency, Multithreading

Networking: REST APIs, URLSession, JSON (Codable)

Storage: CoreData, SQLite, UserDefaults, Keychain

Security: OAuth2.0, Token-based Authentication, Biometric Authentication, Secure Storage, HIPAA Compliance

Testing: XCTest, XCUITest, Unit Testing, UI Testing

DevOps: Git, CI/CD Pipelines, Code Review, Branching Strategies

Methodologies: Agile/Scrum

Tools: Xcode, GitHub, Jira, Sentry, Firebase (basic), GitHub Copilot

Concepts: Performance Optimization, Memory Management, Crash Analysis, Accessibility, Adaptive UI, App Store Deployment

EDUCATION

JIMS, GGSIPU

Aug 2018 – May 2022

B.Tech in Computer Science and Engineering